

What is claimed is:

Sub 03  
1. A post filtering method for eliminating jagged effects before outputting graphic image in accordance with the characteristics of each of a pixel to determine if the pixel needs to perform filtering comprising the following steps:

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- (a) judging if a Z-value of the pixel's is equal to zero, if it is, then not perform filtering to the pixel; and
  - (b) if the Z-value of the pixel is not equal to zero, then judging if the pixel is located at the intersection of a Z-plane, if it is, then performs filtering to the pixel.

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2. The post filtering method for eliminating jagged effects of claim 1 further comprising the following steps:

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- (c) if the pixel is not located at the intersection of the Z-plane, then judging if the pixel is located at a constant-Z plane, if it is not, then not perform filtering to the pixel; and
  - (d) if the pixel is located at the constant-Z plane, then judging if a color variation value of the pixel is greater than a threshold value, if it is, then performs filtering to the pixel.

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3. The post filtering method for eliminating jagged effects of claim 1 ~~or claim 2~~, wherein a device for performing filtering action is a digital filter.

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4. A post filtering method for eliminating jagged effects before outputting graphic image in accordance with the characteristics of each of the pixels to determine if a pixel needs to perform filtering comprising the following steps:

- 5 (a) judging if a Z-value of the pixel is equal to zero, if it is, then not perform filtering to the pixel;
- (b) if the Z-value of the pixel is not equal to zero, then judging if the pixel is located at the intersection of a Z-plane, if it is, then performs filtering to the pixel;
- (c) if the pixel is not located at the intersection of the Z-plane, then judging if the pixel is located at a constant-Z plane, if it is not, then not perform filtering to the pixel; and
- 10 (d) if the pixel is located at the constant-Z plane, then judging if a color variation value of the pixel is greater than a threshold value, if it is, then performs filtering to the pixel.
- 15 5. The post filtering method for eliminating jagged effects of claim 4, wherein a device for performing filtering action is a digital filter.